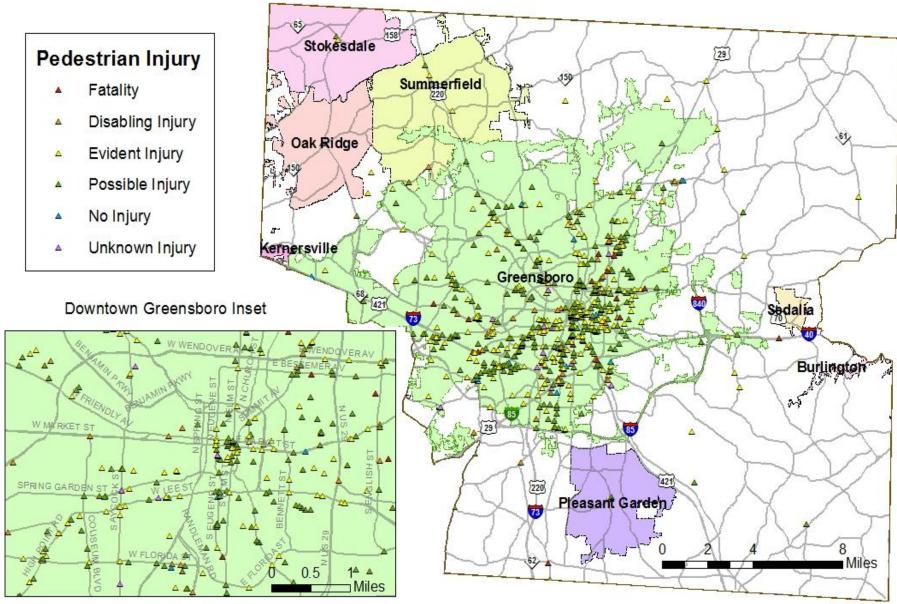
### PEDESTRIAN CRASH ANALYSIS



### PEDESTRIAN CRASH ANALYSIS

- Evaluating pedestrian safety is a critical precursor to recommending a system of pedestrian facility improvements.
- The Pedestrian Crash Analysis looks at all aspects of pedestrian crashes in the Greensboro Urban Are MPO.
- Identify all of the possible factors that contribute to the pedestrian crashes in the region:
  - ❖ WHAT is the trend of the pedestrian crash?
  - WHERE crashes happened?
  - ❖ WHY crashes happened?
  - WHEN crashes happened?
  - WHO involved in the crashes?

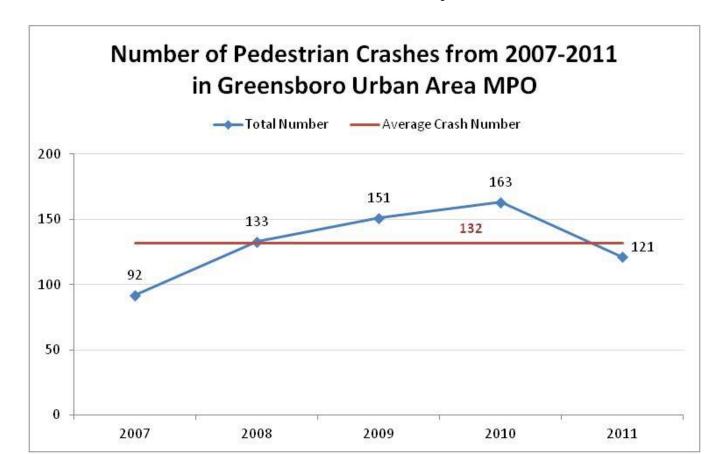
#### 2007 - 2011 Pedestrian Crashes in Greensboro Urban Area MPO



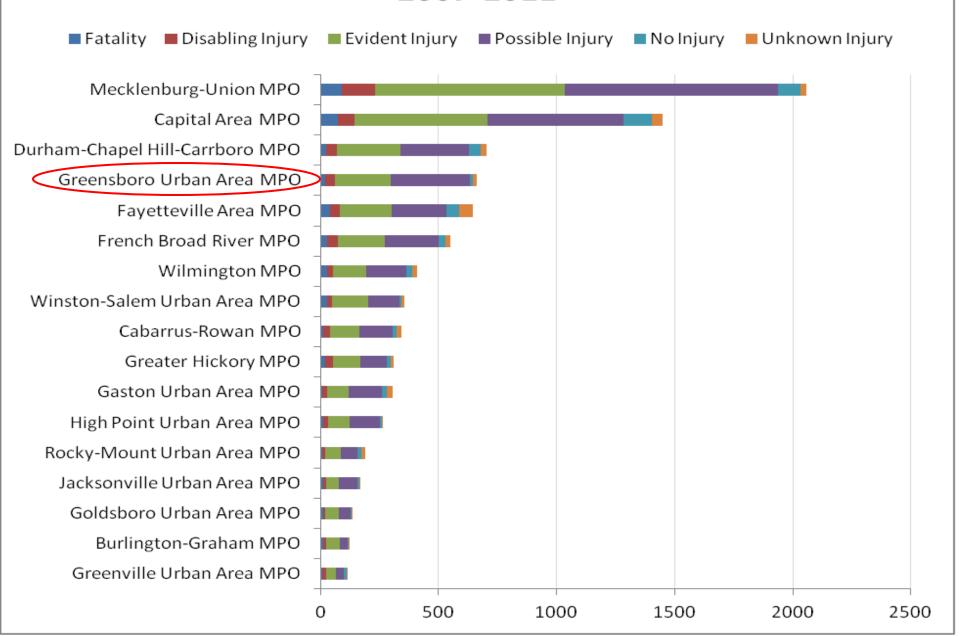


## KEY FINDINGS: WHAT IS THE TREND OF PEDESTRIAN CRASHES?

 An average of 132 pedestrian-motorist crashes occurred annually from 2007-2011.

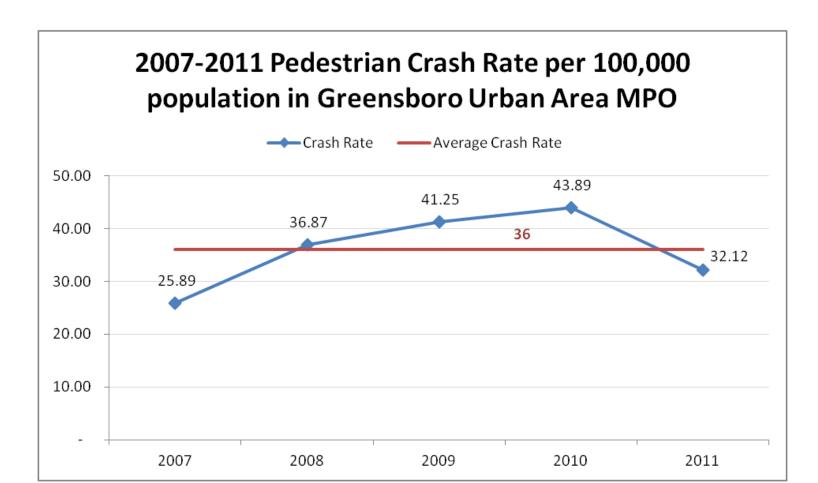


## Number of Pedestrian Crashes in MPOs from 2007-2011

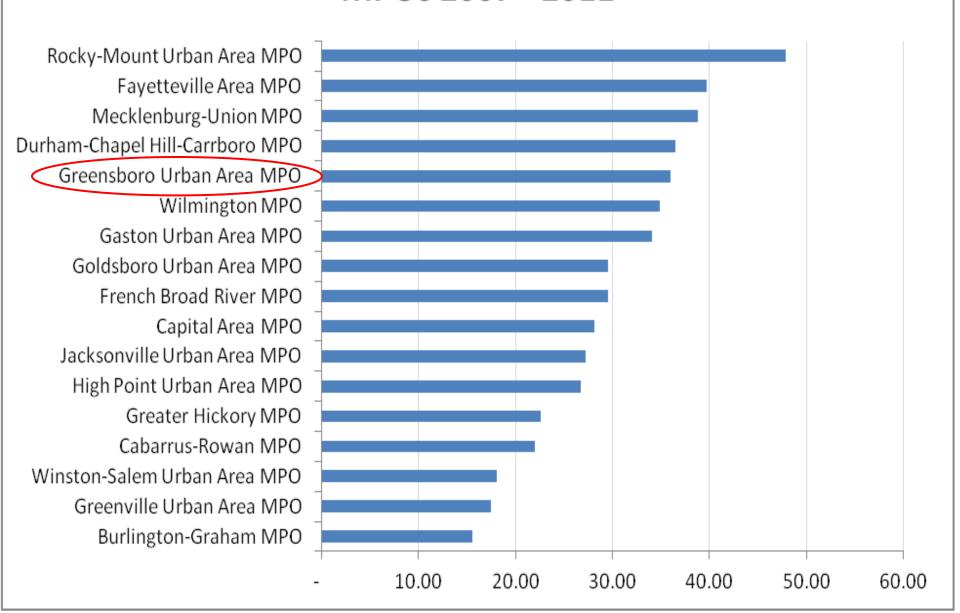


## **KEY FINDINGS: WHAT (Cont.)**

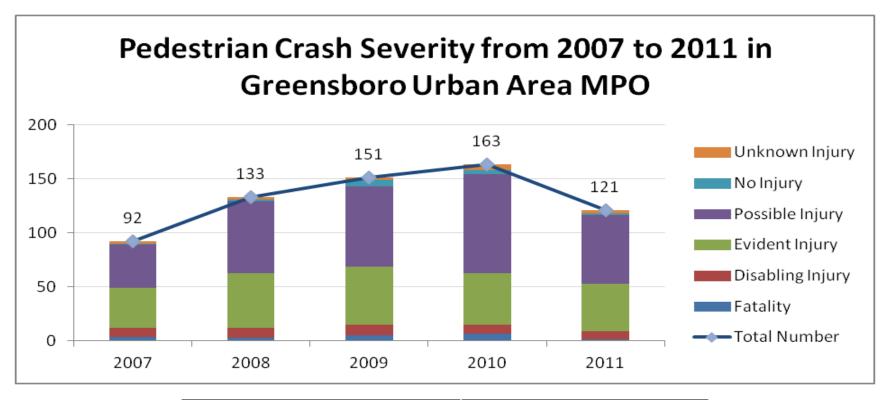
 The average of pedestrian crash per 100,000 population was 36 from 2007-2011.



## Pedestrian Crash Rate per 100,000 Population in MPOs 2007 - 2011

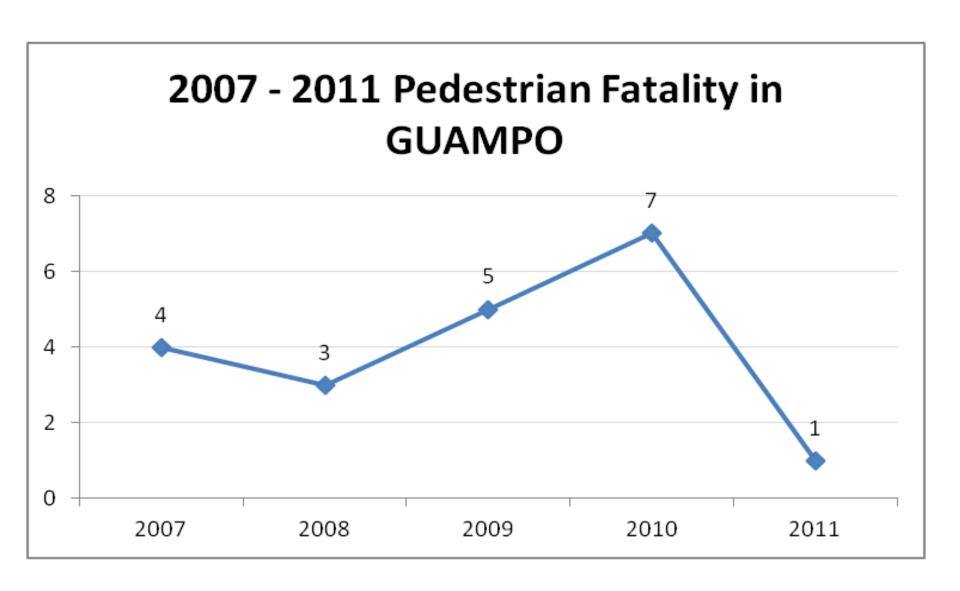


## KEY FINDINGS – WHAT (Cont.)

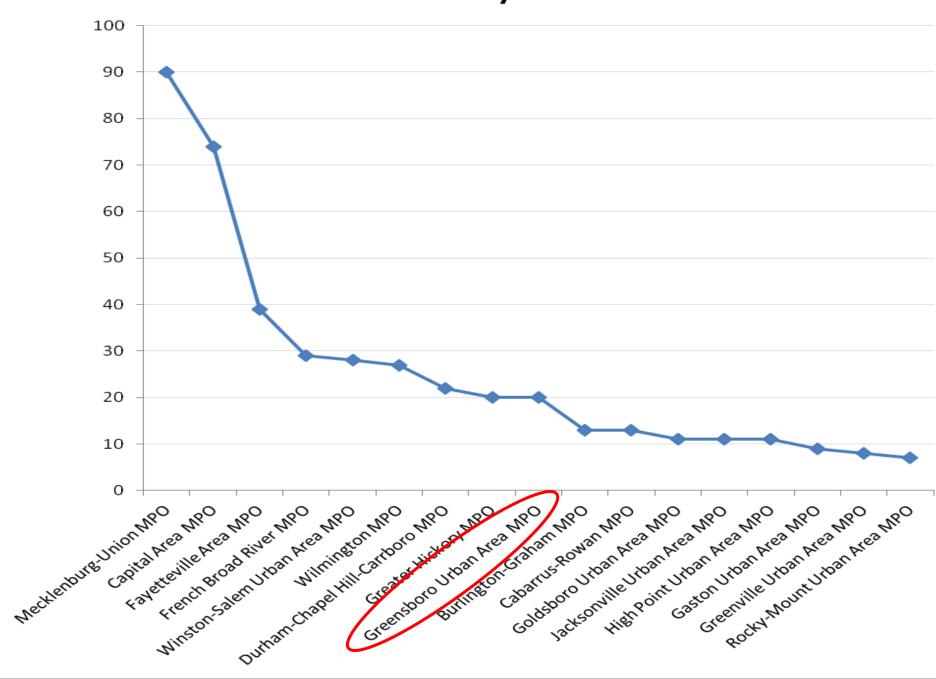


Severity Injury	Severity Score
Fatality	5
Disabling Injury	4
Evident Injury	3
Possible Injury	2
No or Unknown Injury	1

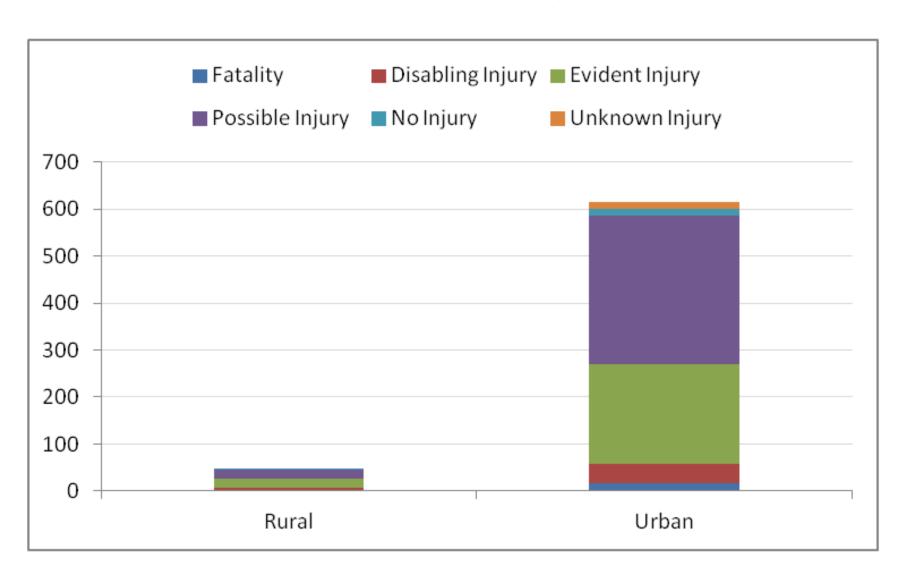
## KEY FINDINGS - WHAT (Cont.)



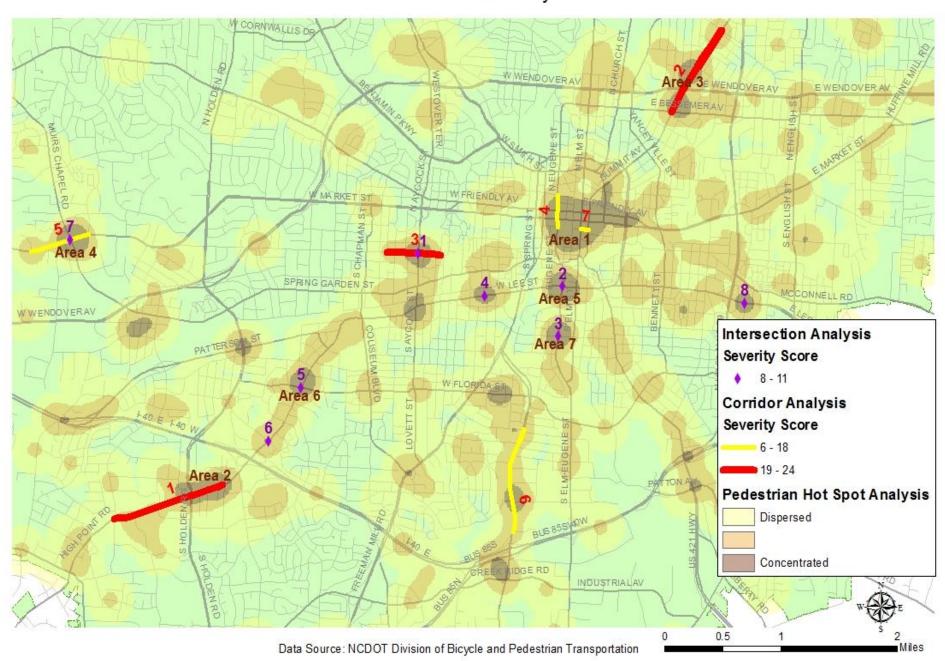
#### Pedestrian Crash Fatality in MPOs 2007-2011



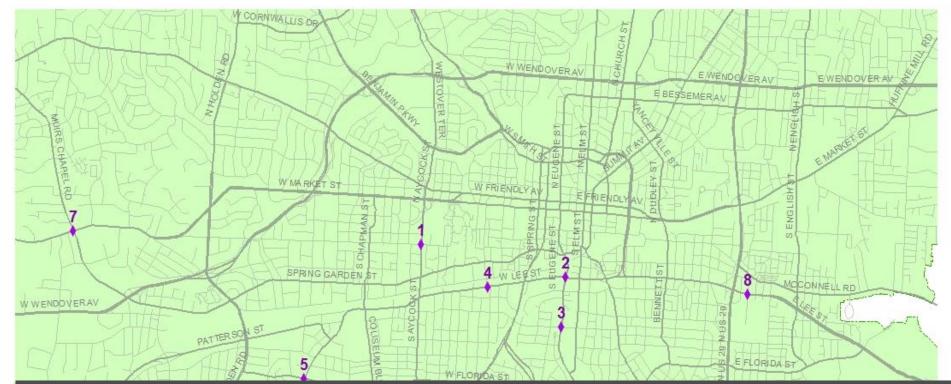
## KEY FINDINGS - WHERE CRASHES HAPPENED?



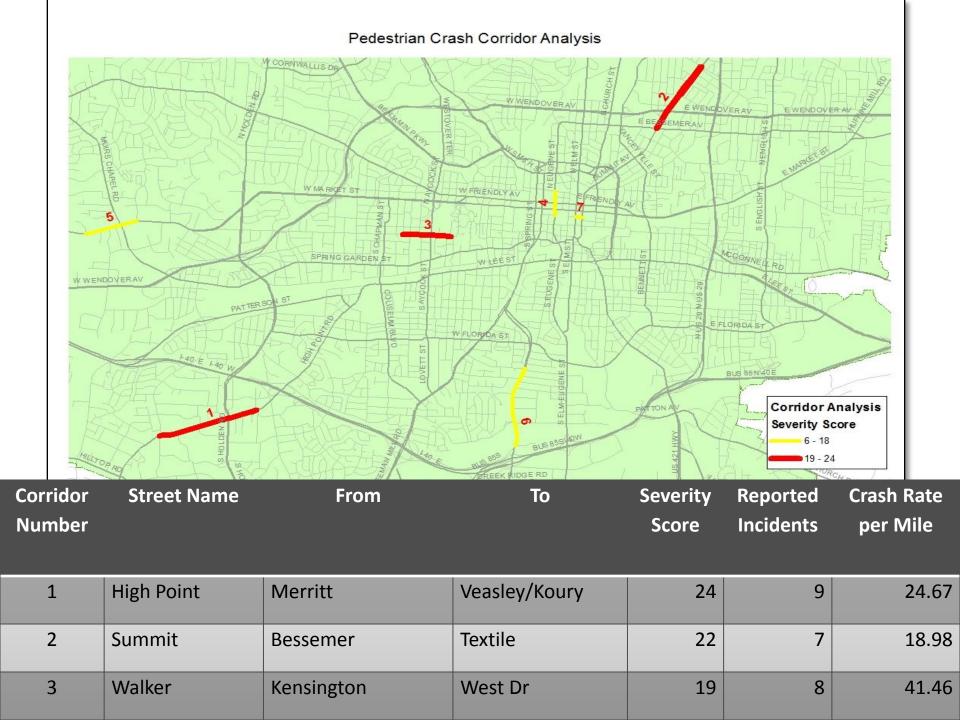
#### Pedestrian Crash Analysis



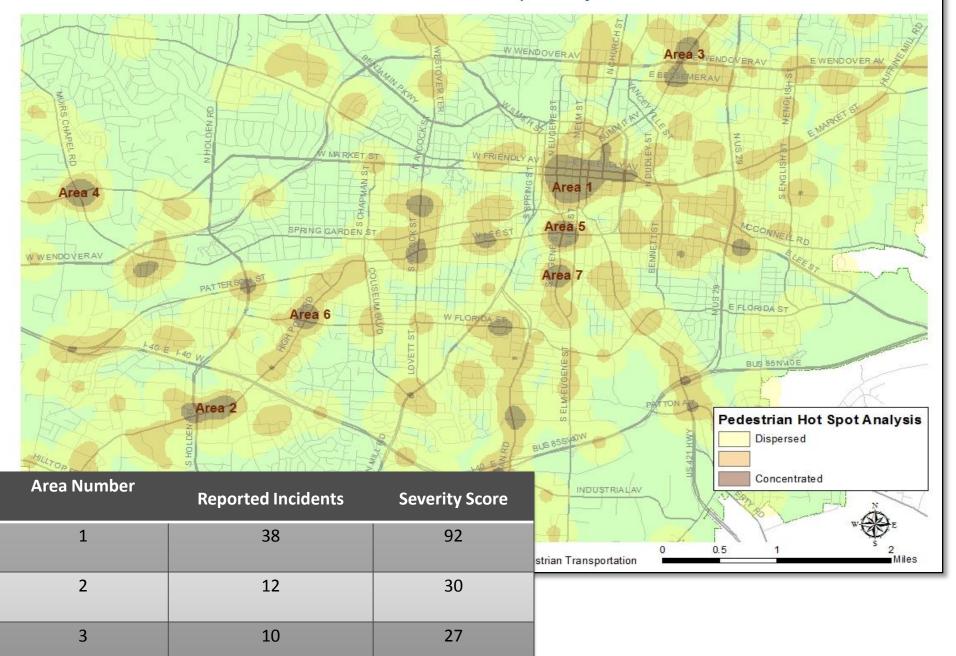
#### Pedestrian Crash Intersection Analysis



Intersection Number	Street Name	Severity Score	Reported Incidents	Traffic Control	Pedestrian Traffic
1	S Aycock St & Walker Ave	11	5	Stop And Go Signal	Yes
2	S Eugene St & W Lee St	11	4	Stop And Go Signal	Yes
3	S Eugene St & W Whittington St	11	4	Stop And Go Signal	Yes



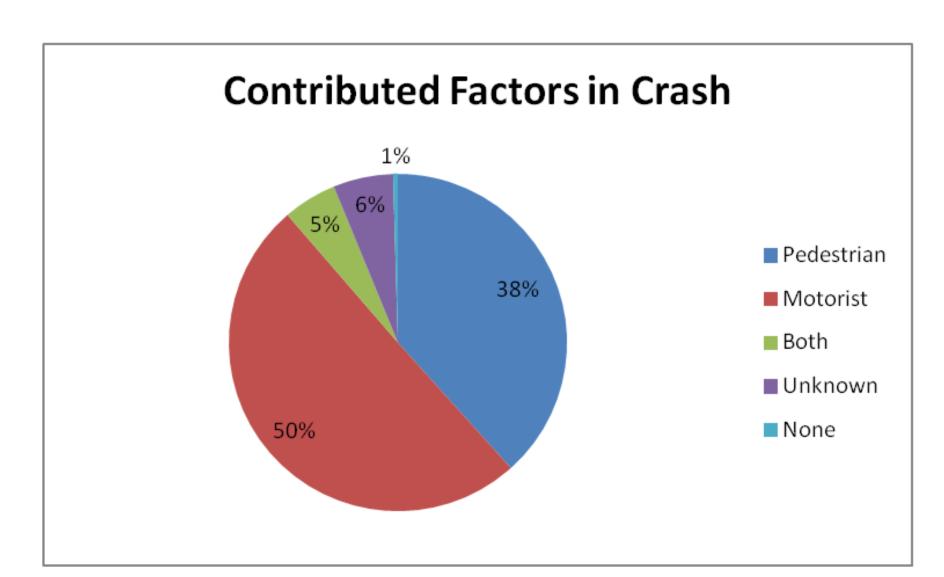
#### Pedestrian Crash - Hot Spot Analysis

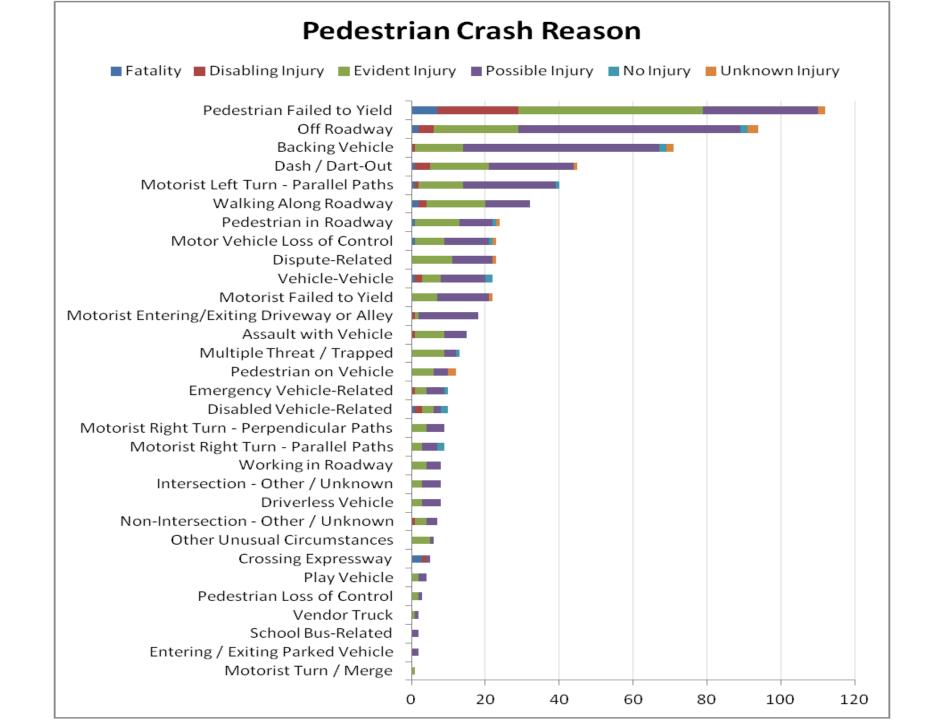


Facility	Number of facility	½ mile distance				¼ mile distance			
		Number of facility	% of facility	Number of crashes	% of crashes	Number of facility	% of facility	Number of crashes	% of crashes
GTA bus stops	1,103	995	90.2%	555	84.1%	737	66.8%	452	68.5%
Schools	148	51	34.5%	180	27.3%	29	19.6%	49	7.4%
Retail centers	137	100	73.0%	293	44.4%	83	60.6%	160	24.2%
Industrial parks	48	12	25.0%	52	7.9%	6	12.5%	18	2.7%
Parks & Open Spaces	612	241	39.4%	430	65.2%	129	21.1%	186	28.2%

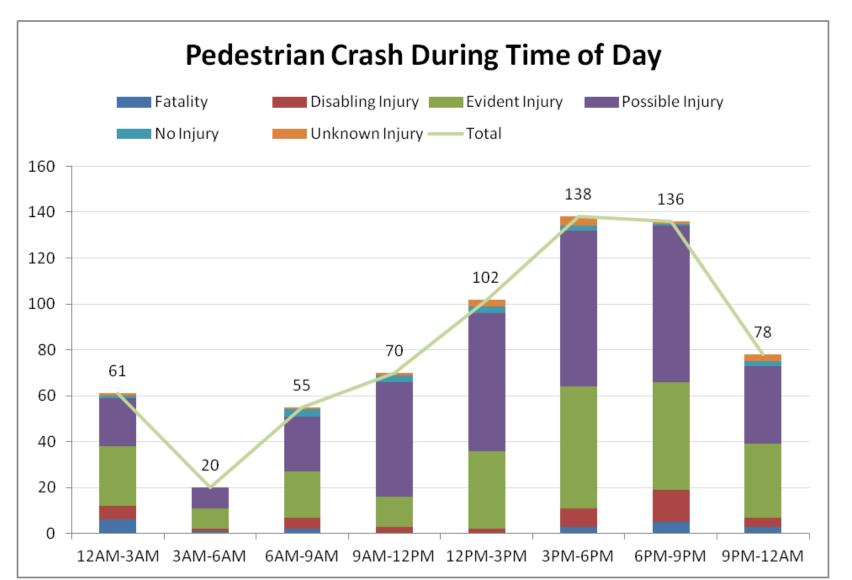
Category	Name	Location	Number of crashes	Severity score
Parks and Open Space	Mural Park (Beautification Area)	240 S Elm St, Greensboro	18	44
Sp. Sp. Sp.	Center City Park	200 N Elm St, Greensboro	13	32
Bus Stops	Eugene St/ Market St	Eugene St/ Market St	17	39
	Davie St/Cultural Arts Center	Davie St/Cultural Arts Center	15	37
Retail Centers	Shoppes on Market	4640 W Market St, Greensboro	9	24
	West Market Shopping Center	4653 W Market St, Greensboro	8	22
	Visionworks Plaza	3702 High Point Rd, Greensboro	8	20
Schools (K- 12)	The Academy at Smith (High school, 9 <sup>th</sup> – 12 <sup>th</sup> )	2225 S Holden Rd, Greensboro	6	13
	The Academy at Lincoln (Middle/Magnet, 6 <sup>th</sup> – 8 <sup>th</sup> )	1016 Lincoln St, Greensboro	4	11
	Dudley High School (High school, 9 <sup>th</sup> – 12 <sup>th</sup> )	1200 Lincoln St, Greensboro	4	11
	Wiley Elementary School (Elementary, Pre-K – 5 <sup>th</sup> )	600 W Terrell St, Greensboro	4	11
Industrial Parks	South Atlantic Companies	2018-2030 E Market St	6	17
	O'Neal Steel	1451 S Elm-Eugene St	3	9

# KEY FINDINGS – WHY CRASHES HAPPENED?

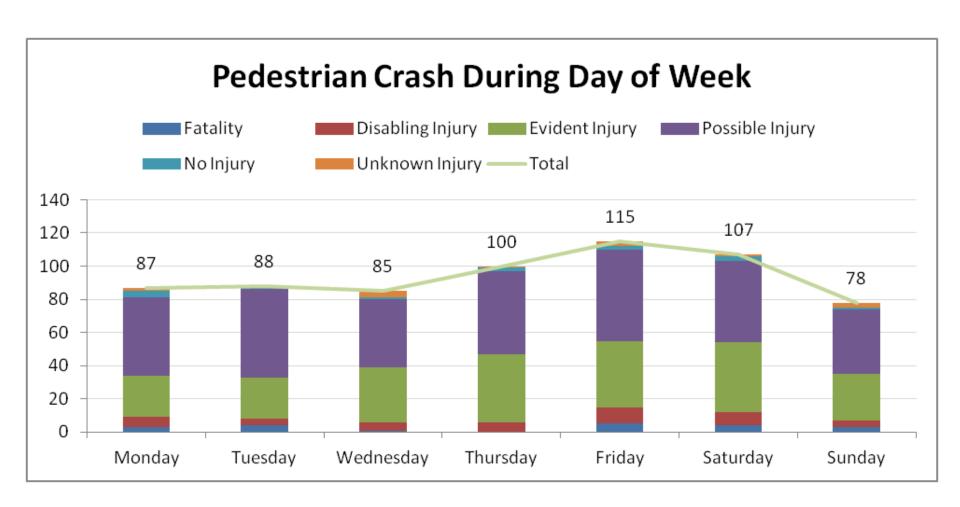




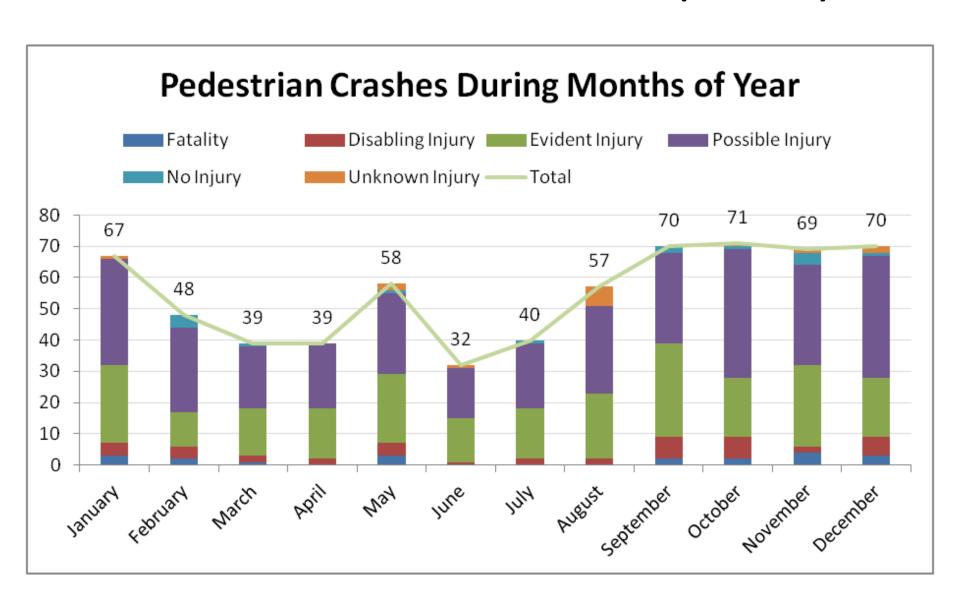
# KEY FINDINGS: WHEN CRASHES HAPPENED?



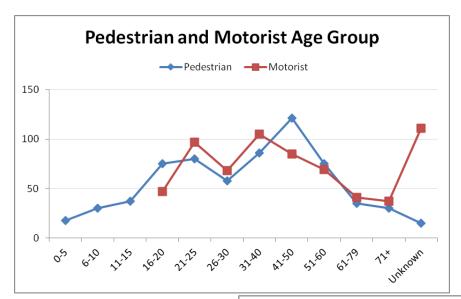
## KEY FINDINGS – WHEN (Cont.)

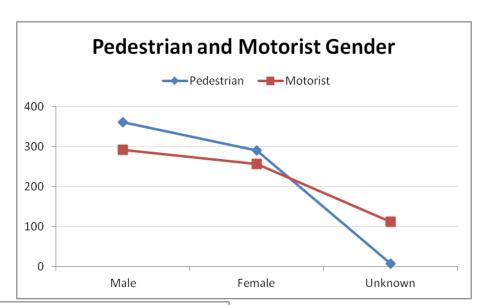


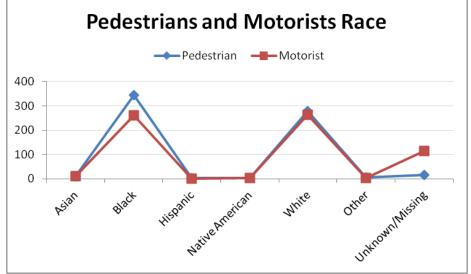
## **KEY FINDINGS - WHEN (Cont.)**



# KEY FINDINGS - WHO WAS INVOLVED IN THE CRASH?







### **FUTURE WORK**

